

TABASCO —

HOT WATER



**Kewanee Steel
Water Heater**

**KEWANEE-ROSS
CORPORATION**

KEWANEE, ILLINOIS

Catalog 95



TABASCO

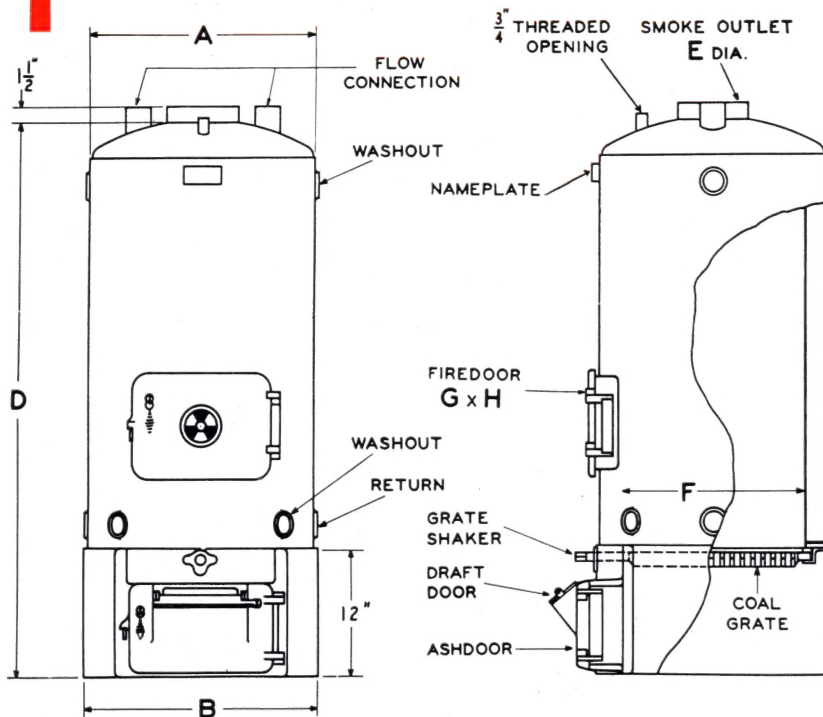
Steel Welded HOT WATER HEATERS

A.S.M.E. CODE

**100 POUNDS
WORKING PRESSURE**

**150 POUNDS
HYDROSTATIC TEST**

*Rated to Heat
165 to 700
Gallons of Water
50° per Hour*



SPECIFICATIONS (feet-inches)

HEATER NUMBER.....	018	022	027	030	032
CAPACITY HOT WATER 50° RISE..... GPH	165	250	400	550	700
TEST PRESSURE LBS	150	150	150	150	150
WATER WORKING PRESSURE..... LBS	100	100	100	100	100
SIZE OF HEATER—SHELL DIAM. X HEIGHT.....	1-6 x 3-0	1-9 x 3-0	2-1 x 4-0	2-7 x 3-8	2-7 x 4-6
FIRE POT DIAMETER.....	1-1 $\frac{1}{4}$	1-4	1-8	2-0 $\frac{1}{4}$	2-0 $\frac{1}{4}$
SIZE FLOW	0-1 $\frac{1}{2}$	0-1 $\frac{1}{2}$	0-2	0-2 $\frac{1}{2}$	0-2 $\frac{1}{2}$
SIZE RETURN	0-1 $\frac{1}{2}$	0-1 $\frac{1}{2}$	0-2	0-2 $\frac{1}{2}$	0-2 $\frac{1}{2}$
SIZE CLEANOUT PLUGS.....	0-1 $\frac{1}{2}$	0-1 $\frac{1}{2}$	0-2	0-2	0-2
OUTSIDE SURFACE TO COVER..... SQ FT	14	17	27	32	38
SHIPPING WEIGHT—HEATER SHELL..... LBS	290	350	620	800	980
—BASE AND CASTINGS..... LBS	140	180	220	300	290
TOTAL..... LBS	430	530	840	1100	1270

ALL ABOVE CAPACITY RATINGS ARE BASED ON RAISING TEMPERATURE OF WATER 50 DEGREES IN ONE HOUR

Complete Tabasco Heater outfit consists of: steel shell; cast iron firedoor assembly with liner; steel base with cast iron ring and ash door frame; and ash door with balanced draft flap; heavy shaking grates with connecting bar and shaker handle. No trimmings or regulator included.

MEASUREMENTS (feet-inches)

HEATER NO.	OUTSIDE DIAMETER	BASE DIAMETER	TOTAL HEIGHT HEATER AND BASE	SMOKE OUTLET DIAMETER	GRATE DIAMETER	FIREDOOR OPENING HEIGHT X WIDTH	SHELL HEIGHT	GRATE AREA SQ FEET
	A	B	D	E	F	IN SHELL G X H		
018	1-6	1- 7	4- 0	0-6	1-1 $\frac{1}{4}$	0-8 x 0-8 $\frac{1}{2}$	3- 0	0.96
022	1-9	1-10	4- 0	0-6	1-4	0-8 x 0-8 $\frac{1}{2}$	3- 0	1.25
027	2-1	2- 2	5- 0	0-8	1-8	0-9 x 1-0 $\frac{3}{4}$	4- 0	2.1
030	2-7	2- 8	4-10	0-8	2-0 $\frac{1}{4}$	0-9 x 1-0 $\frac{3}{4}$	3-10	3.2
032	2-7	2- 8	5- 6	0-8	2-0 $\frac{1}{4}$	0-9 x 1-0 $\frac{3}{4}$	4- 6	3.2

KEWANEE

Welded TABASCO

HOT WATER SUPPLY HEATERS

IN 1894 KEWANEE made the first TABASCO. So half a century has passed since this rugged steel Hot Water Heater was proposed to team up with the Kewanee Firebox Boiler famous already for quality.

The steady build-up of successive sales quotas proves the success of this design and genuine merit alone explains how this name TABASCO has come to signify a tough steel product that can stand the gaff of delivering plenty of water good and hot with absolute dependability, using any fuel fired with just ordinary skill.

TABASCO Hot Water Heaters have always been built in the same plant at Kewanee with the same expert care and of the same materials as Kewanee Steel Heating Boilers.

The purpose of this catalog is to illustrate our **ALL-WELD TABASCO** Water Supply Heater for extra heavy service.

In these extra heavy welded TABASCOS Kewanee offers a series of correctly designed models, soundly constructed by well-tried methods proved by years of experience.

The shell is formed from full-gauge steel plate above minimum thickness actually required, adding materially to its 'expectation' of life.

The heads fitted and located accurately by mechanically operated jigs are form flanged to mathematically figured curve, not merely dished with flat edges. As much primary heating surface as possible is presented directly over the fire increasing the absorption of radiant heat.

Mud ring is steel, welded each edge all around. Shell openings are reinforced with flat steel bar bent all around in the water leg and welded tight. Door castings are extra substantial with neat and serviceable appearance. Firedoor opens wide enough for man-size scoop shovel when firing by hand.

Five washout plugs provide access for cleaning interior surfaces of top heads as well as the bottom ring.

TABASCO

Improved

Base and Rocking Grate

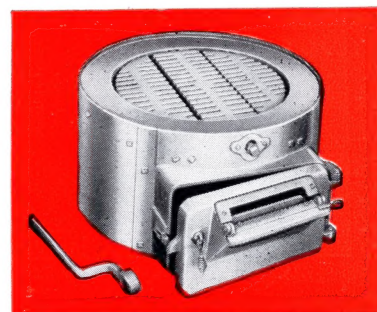
The Tabasco Steel Base is newly designed, its construction improved, the height is maintained to give ample clearance below the grates. The heater shell rests on a cast ring attached to the circular side rolled out of heavy plate.

Heavy rocking grate bars work in lugs below the ring bolted one end so each bar is readily removable separately but cannot shake out.

The front ash door and frame are heavy castings

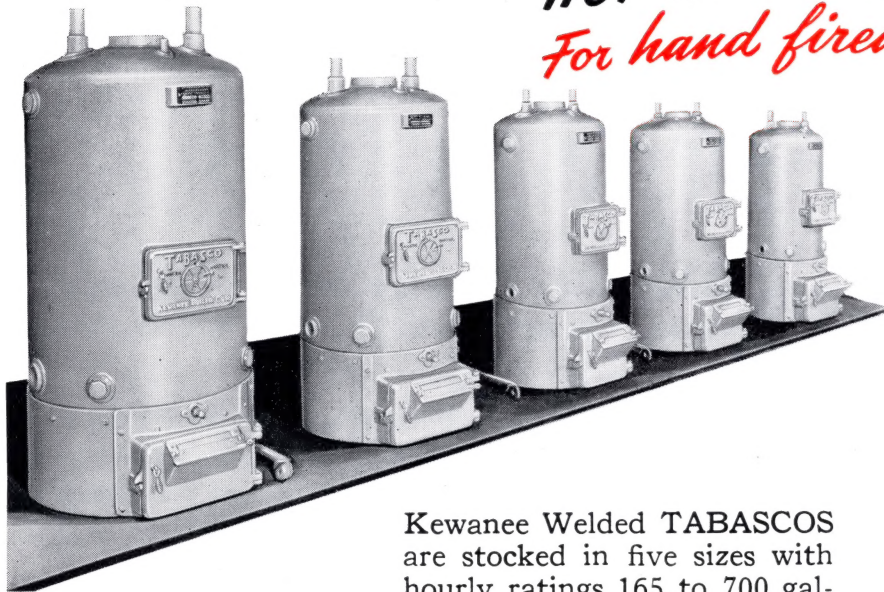
designed to stand rough usage and provide easy access for cleaning out ashes.

Draft opening on ash door is fitted with a balanced flap connecting to regulator for automatic draft control.



HOT WATER IS AN ALL-YEAR NECESSITY

HOT WATER HEATER *For hand fired Coal*



Kewanee Welded TABASCOS are stocked in five sizes with hourly ratings 165 to 700 gallons of water raised in temperature 50° per hour. They may connect directly to the water mains of any city in the United States, and will safely withstand water working pressures up to 100 pounds per square inch, having been subjected to a hydrostatic test of 150 pounds per square inch in the Kewanee factory.

It should be noted particularly that Kewanee ratings based on 50° F. rise per hour double the capacities of Tabasco Welded Water Heaters as compared with others rated on a 25° rise.



TABASCO direct-fired **WATER HEATERS**

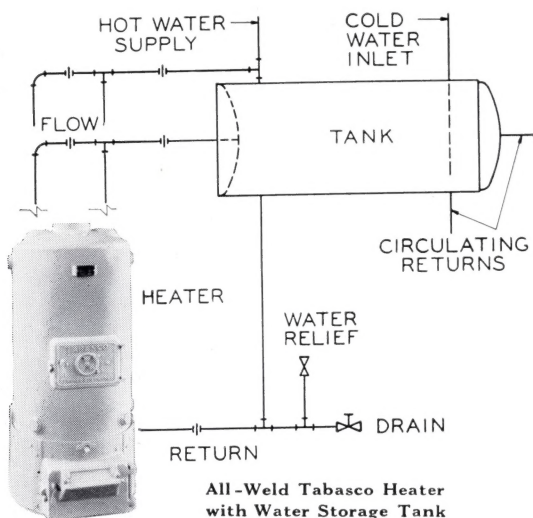
... for HOTELS, HOSPITALS, APARTMENTS and old or new buildings of every size, this sturdy steel heater provides hot water in abundance, at every tick of the clock.

Continuous service of piping hot water is best supplied by Kewanee Water Heaters when the water storage tank has a capacity 50 per cent greater than the hourly rating of the heater.

100 POUNDS WORKING PRESSURE • 150 POUNDS HYDROSTATIC TEST **PIPING CONNECTIONS TO STORAGE TANK**

For most favorable circulating conditions between the storage tank and water heater the tank should be placed as high above the hot water flow outlet as headroom permits.

The cold water supply enters the storage tank at top opening, opposite the hot water inlet end, through a pipe that extends to within 6 in. of the bottom.



This connection directs the cold water toward the bottom of the tank and prevents cooling the hot water in reserve at the top.

The return circulating line between tank and heater should be connected to the bottom of the tank at opposite end from where the cold water enters.

The hot water flow line from the heater may be connected to the storage tank either at the end or on top to increase the circulation head.

Circulation may be improved if a riser is piped from both top outlets of the heater to the flow line. The return may connect at the back of the heater or to any other of the bottom openings.

KEWANEE-ROSS CORPORATION
Division of American Radiator & Standard Sanitary Corporation
KEWANEE, ILLINOIS

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